

Fig. 1

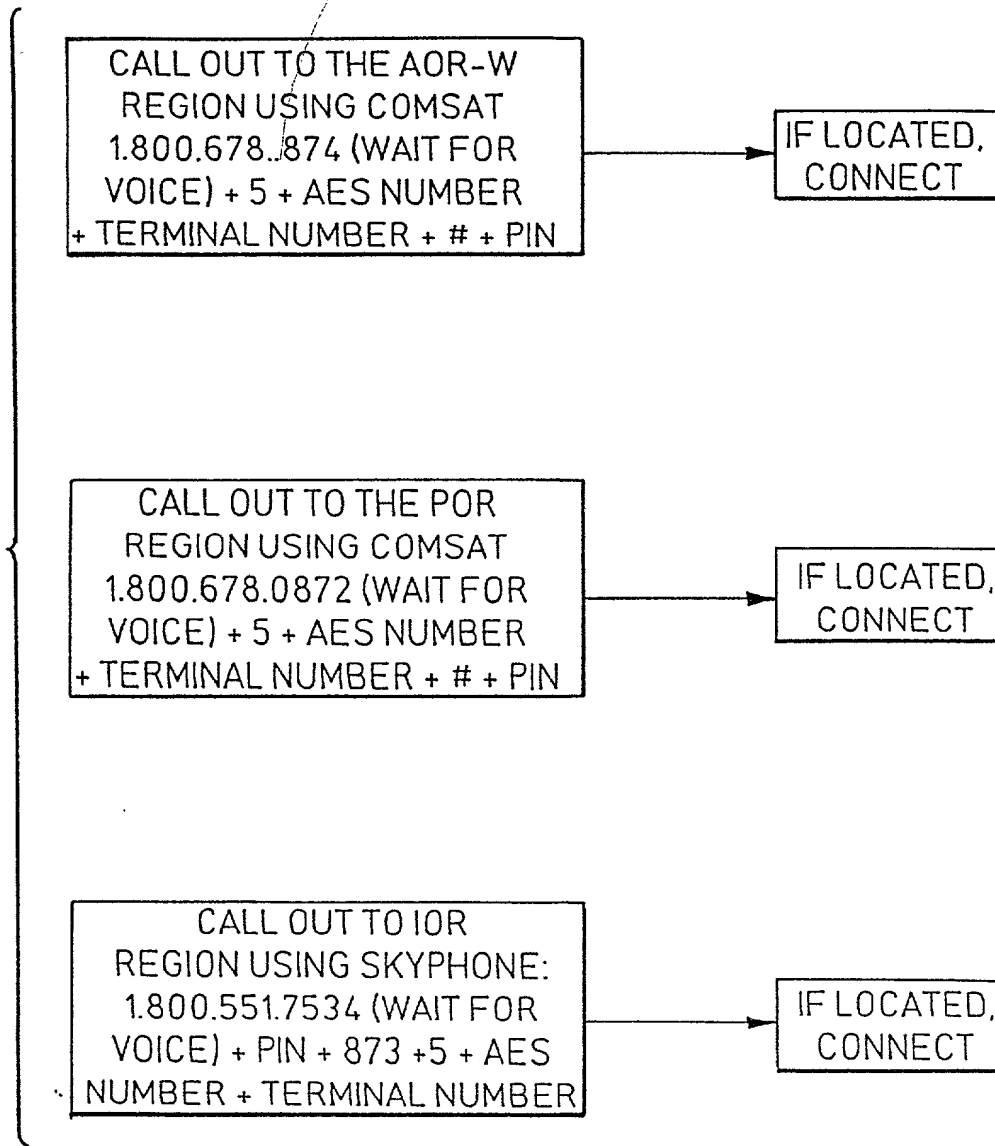


Fig. 2DEFAULT DATABASE (ODB)
TABLE 1

SATELLITE ID	SATELLITE NAME	GES ID	GES LOCATION	GES OWNER/ SERVICE PROVIDER
00	AOR-W	001	GOONHILLY, UK	SKYPHONE
00	AOR-W	002	SOUTHBURY, USA	COMSAT
00	AOR-W	003	LAURENTIDES, CANADA	STRATOS
00	AOR-W	005	AUSSAGUAL, FRANCE	STRATOS AND SATELLITE AIRCOM
01	AOR-E	101	GOONHILLY, UK	SKYPHONE
01	AOR-E	103	AUSSAGUAL, FRANCE	STRATOS AND SATELLITE AIRCOM
01	AOR-E	104	EIK, NORWAY	SKYPHONE
01	AOR-E	105	FUCINO, ITALY	COMSAT
02	POR	201	SENTOSA, SINGAPORE	SKYPHONE
02	POR	202	SANTA PAULA, USA	COMSAT
02	POR	203	YAMAGUCHI, JAPAN	COMSAT/KDD
02	POR	205	PERTH, AUSTRALIA	SATELLITE AIRCOM
02	POR	206	NILES CANYON, CANADA	STRATOS
02	POR	207	BRUNIE	BRUNIE
02	POR	210	KUMSAN, KOREA	COMSAT/KDD
03	IOR	301	EIK	SKYPHONE
03	IOR	302	NONTHABURI, THAILAND	COMSAT/KDD
03	IOR	303	AUSSAGUAL, FRANCE	SATELLITE AIRCOM
03	IOR	305	PERTH, AUSTRALIA	SATELLITE AIRCOM
03	IOR	306	YAMAGUCHI, JAPAN	COMSAT/KDD
03	IOR	307	BRUNIE	BRUNIE
03	IOR	310	SENTOSA, SINGAPORE	SKYPHONE
03	IOR	312	FUCINO, ITALY	COMSAT

Fig. 3

Fig. 3a	Fig. 3b	Fig. 3c
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Fig. 4A

Fig. 4A-1	Fig. 4A-2	Fig. 4A-3
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Fig. 3a

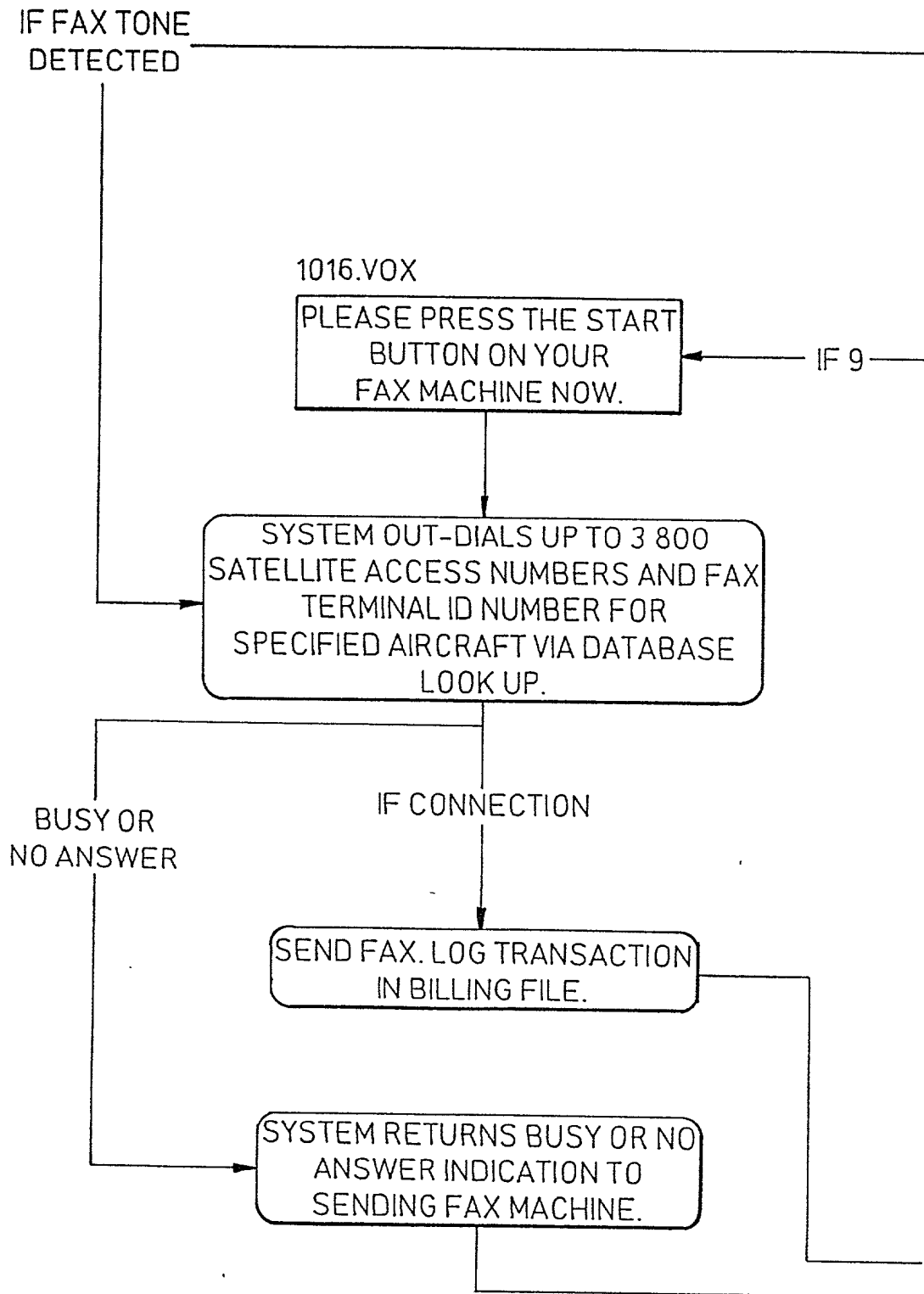


Fig. 3b

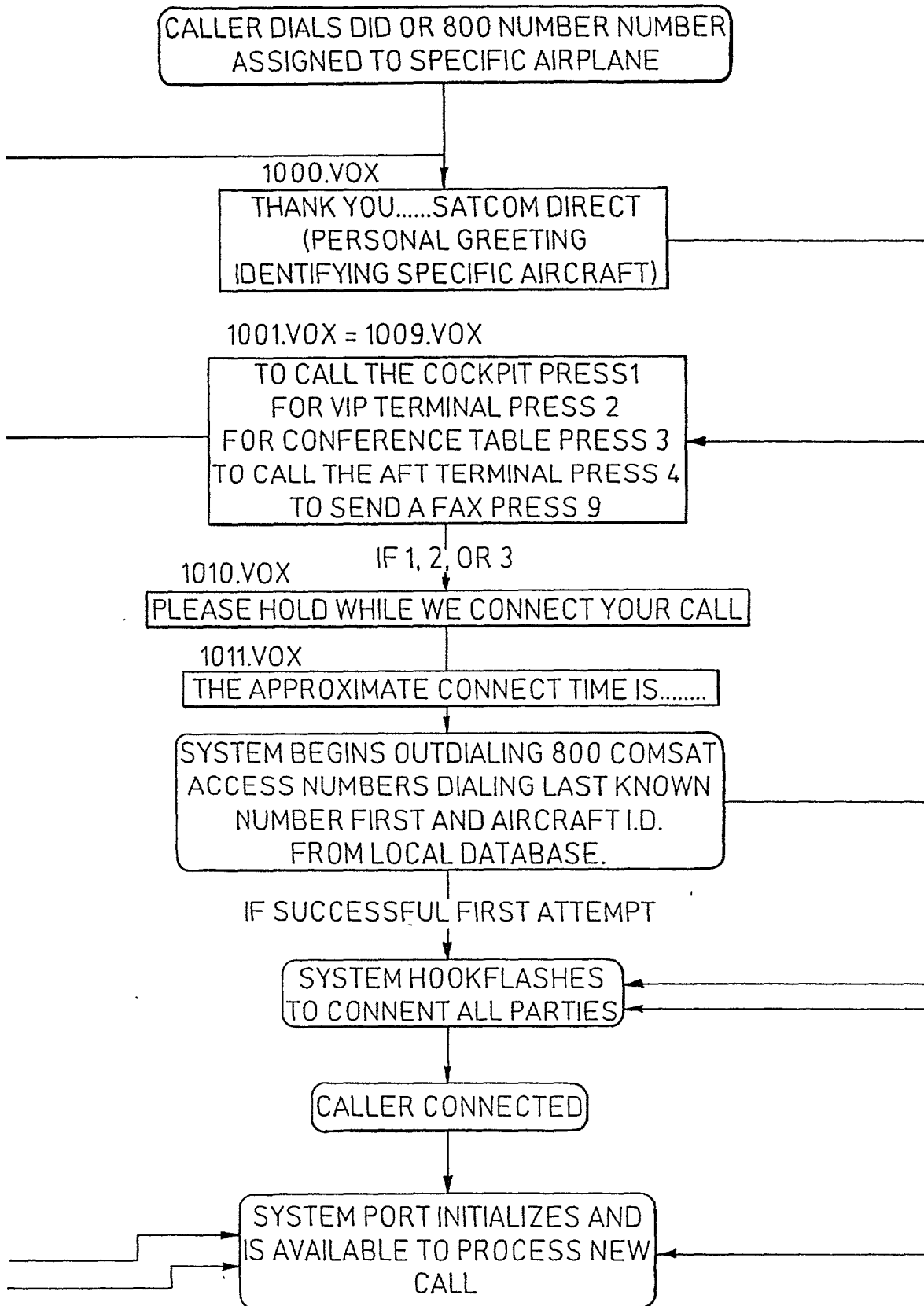


Fig. 3c

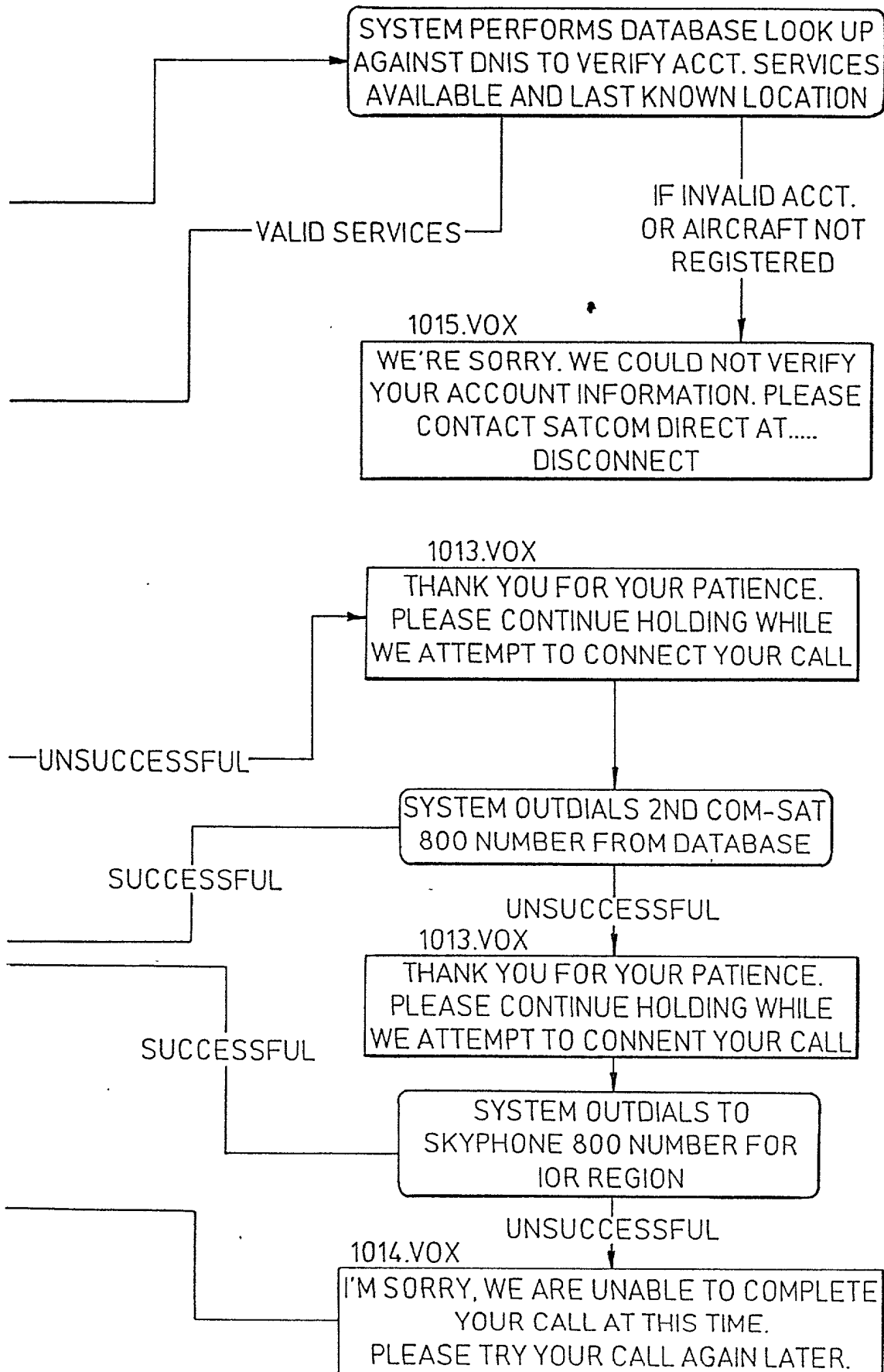


Fig. 4A-1

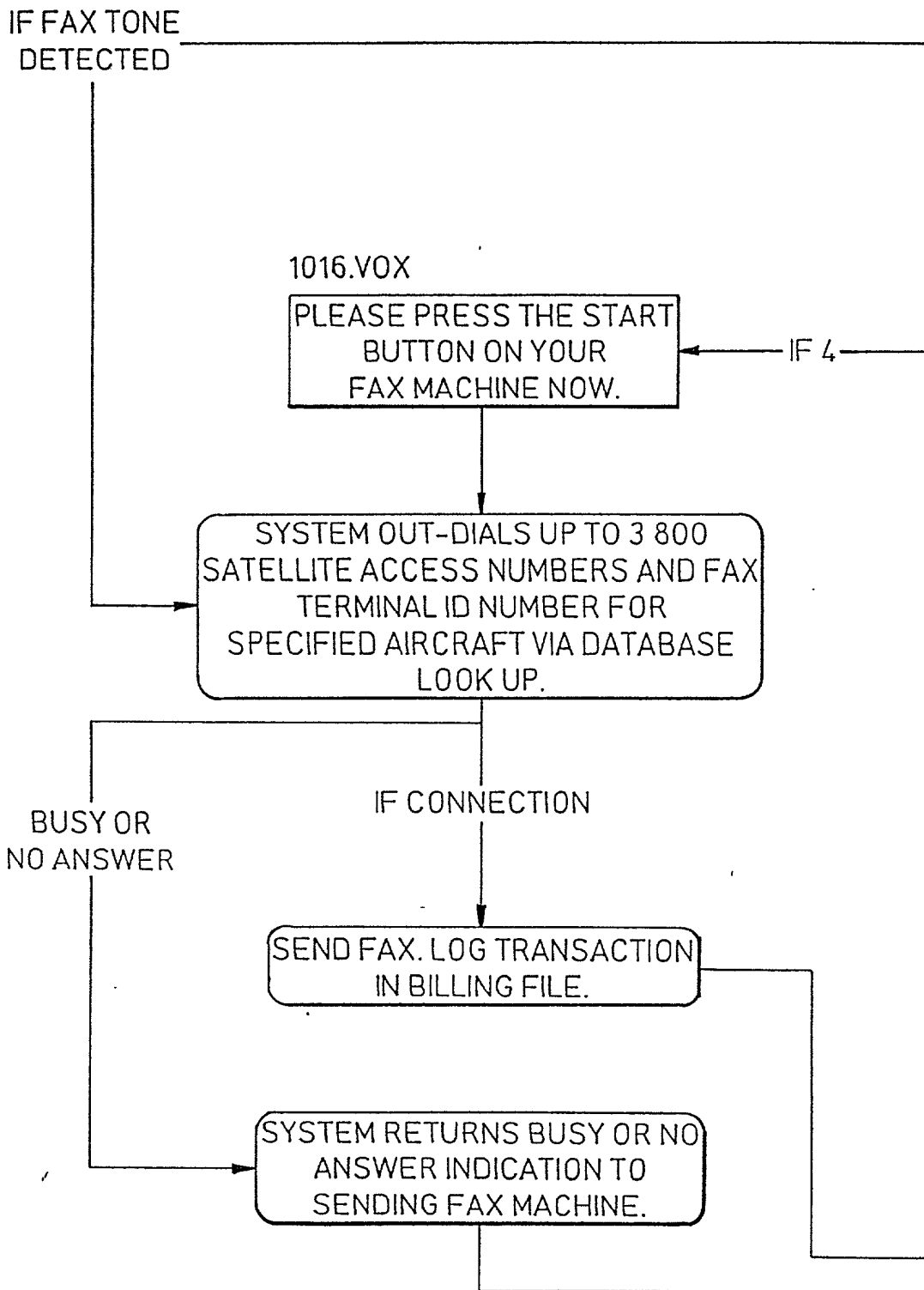


Fig. 4A-2

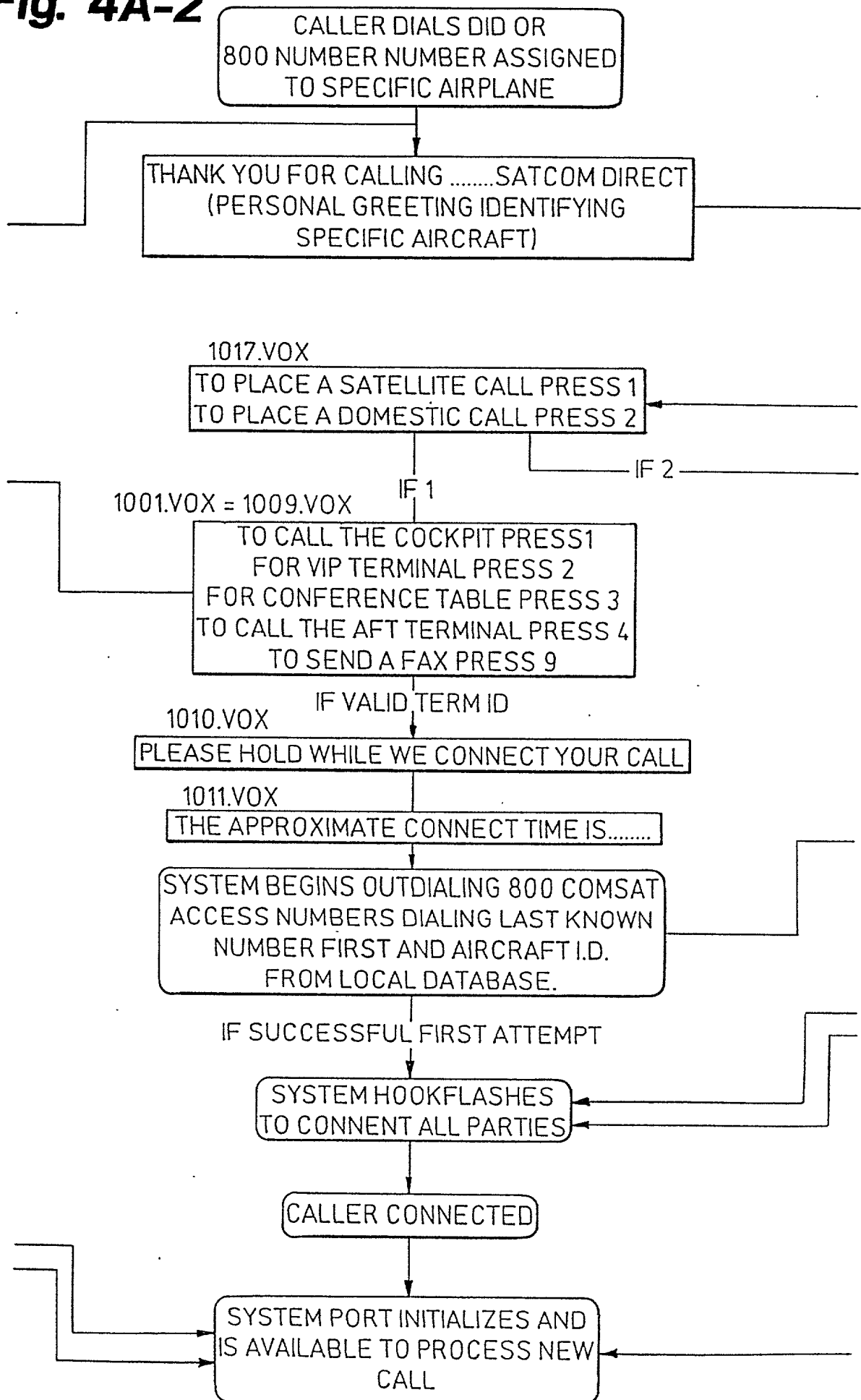


Fig. 4A-3

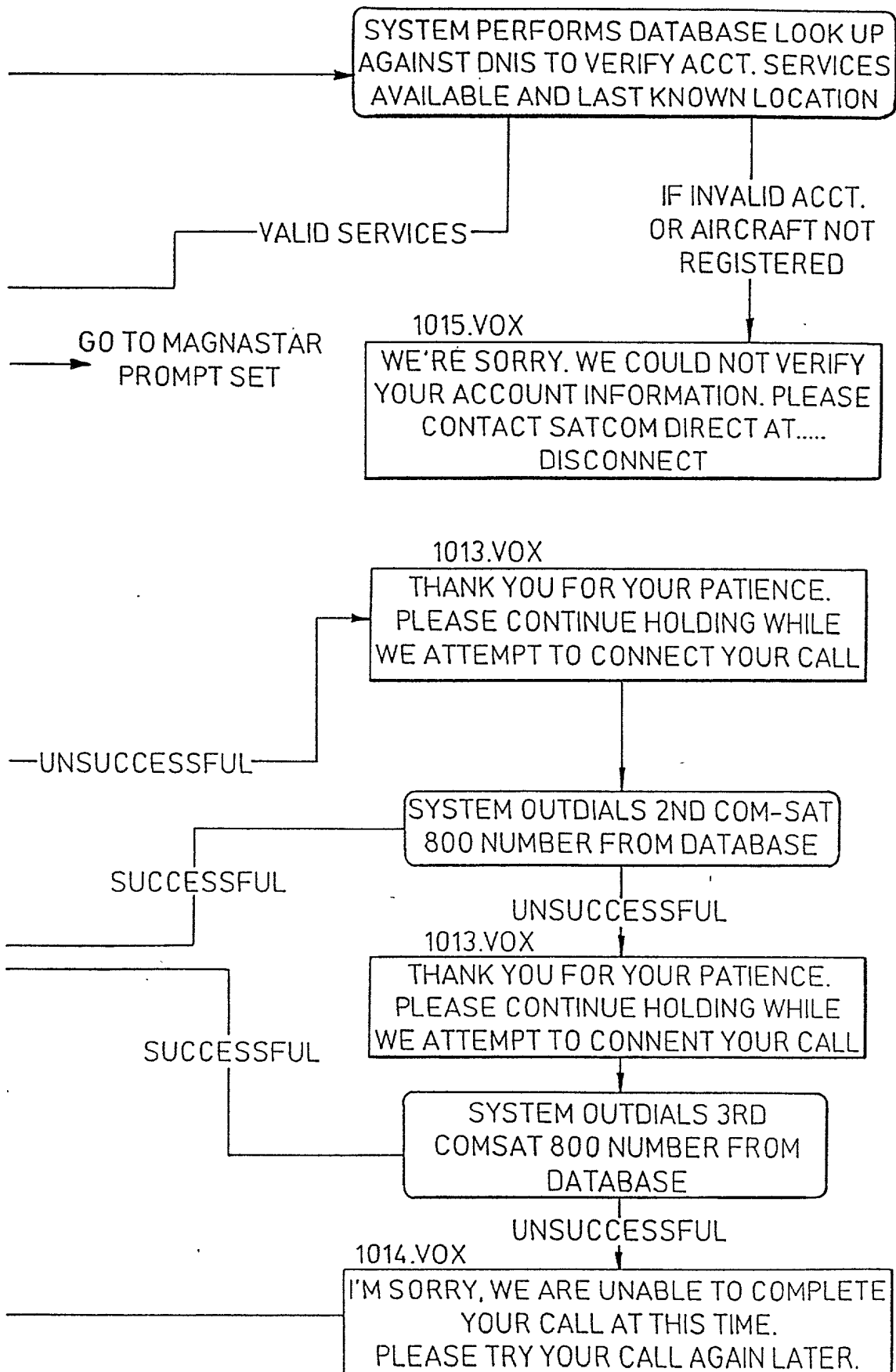
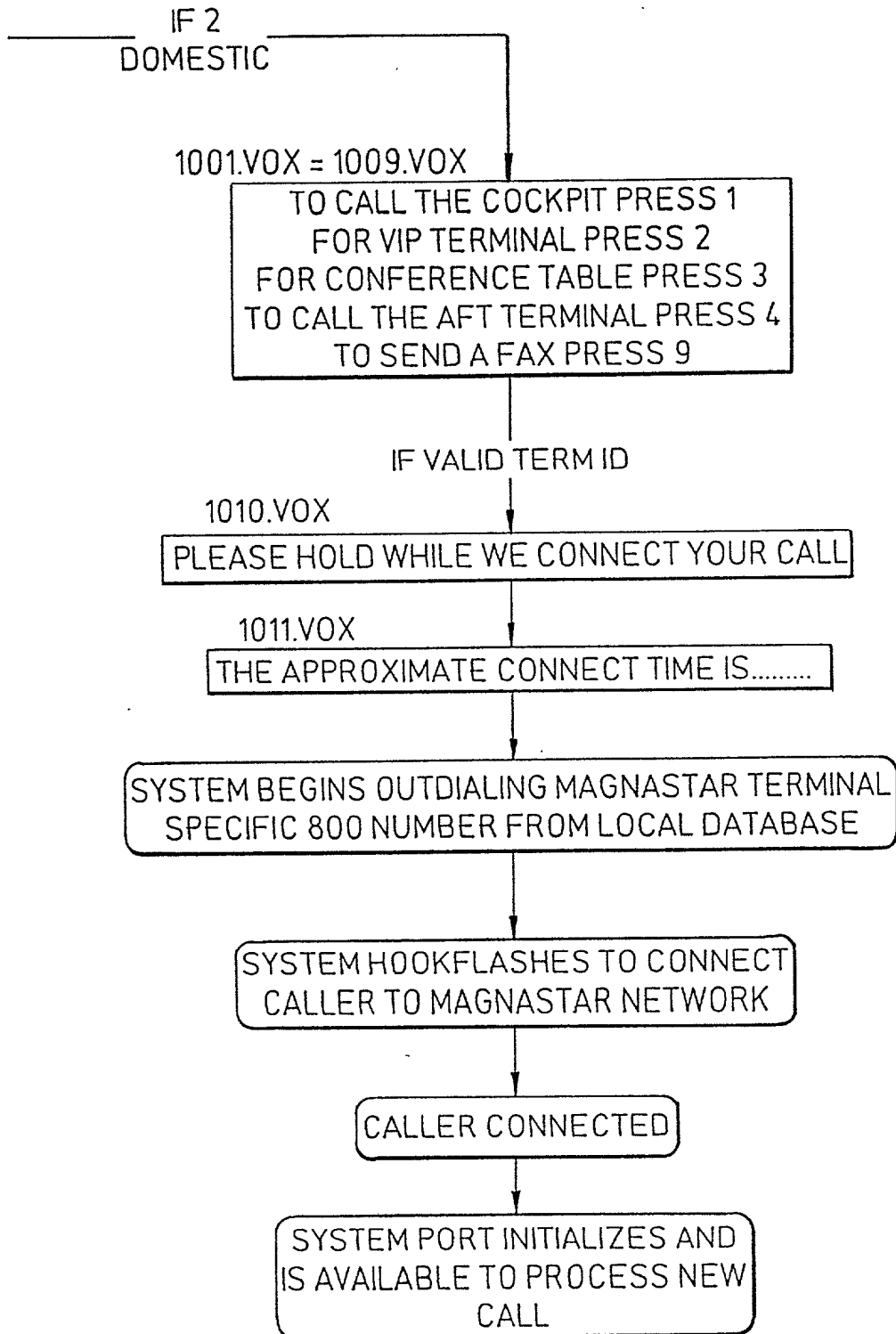


Fig. 4B



http://206.147.237.72/sacomadmin/SystemStatus.htm - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Full Screen Go

Address http://206.147.237.72/sacomadmin/SystemStatus.htm

Current System Status

Line #	Call ID	Start Time	End Time	DNIS	Airplane	Service	Terminal	Status
1	78060	12/12/14 13:48	14:13:01	4200	American Express Aero H			Received
2	78067	12/12/14 09:25	14:10:29	4255	Anheuser Busch Aero H		800038301	Connected
11	78067	12/12/14 09:35	14:10:04		Anheuser Busch Aero H		EIK	Forced Hangup
12	78067	12/12/14 09:35	14:10:29		Anheuser Busch Aero H		Southbury	Connected
13	78066	12/12/14 02:56	14:10:41		Clay Lacy Aerial Aero H+		Southbury	Connected
14	78067	12/12/14 09:35	14:10:04		Anheuser Busch Aero H		Carla Paula	Forced Hangup
15	78067	12/12/14 09:35	14:10:04		Anheuser Busch Aero H			Forced Hangup
16								
17								
18								
19								
20								

Refresh Speed: Very Fast Refresh Now

Done

Satcom Direct Activity Report

F/R 5B

CITI Group/N316GS (DNIS 4087) -- Aero-H

CallID 77793 at 12/11/01 11:02:02AM

Incoming Call on Line 1

<u>Log #</u>	<u>Date/Time</u>	<u>Message</u>
4825600	12/11/01 11:02:02AM	Call 77793 received with DNIS 4087
4825601	12/11/01 11:02:02AM	Use English prompts for this airplane.
4825602	12/11/01 11:02:06AM	Call is a Satellite call
4825606	12/11/01 11:02:12AM	Caller presses '2', which connects to 80092402
4825607	12/11/01 11:02:12AM	Connection parameter: 80092402
4825608	12/11/01 11:02:12AM	InitiateSatcom: DNIS = 4087, CallID = 77793, TerminalSelected = 8009240
4825609	12/11/01 11:02:12AM	Sending Satcom request to call 18006780874 on line 13
4825610	12/11/01 11:02:12AM	Sending Satcom request to call 12032620872 on line 14
4825612	12/11/01 11:02:12AM	Sending Satcom request to call 18005517534 on line 12

Outgoing Call on Line 12

<u>Log #</u>	<u>Date/Time</u>	<u>Message</u>
4825619	12/11/01 11:02:12AM	Received Satellite request to call 18005517534 from TimeSlot 1
4825621	12/11/01 11:02:12AM	Unrouted line
4825623	12/11/01 11:02:12AM	Picked up line
4825625	12/11/01 11:02:13AM	Dialing
4825629	12/11/01 11:02:17AM	Wait for noise
4825630	12/11/01 11:02:17AM	Started recording Greeting77793_12.wav
4825647	12/11/01 11:02:22AM	Greeting detected
4825648	12/11/01 11:02:22AM	Send PIN 103053465
4825653	12/11/01 11:02:25AM	Recorded Noise77793_12.wav
4825654	12/11/01 11:02:26AM	Send AESID 3580092402#
4825658	12/11/01 11:02:29AM	Enable tones
4825659	12/11/01 11:02:29AM	Wait for Ring
4825660	12/11/01 11:02:29AM	Recorded Connection77793_12.wav
4825691	12/11/01 11:02:43AM	Detected tone 'R' - -
4825692	12/11/01 11:02:43AM	Ring or busy detected
4825693	12/11/01 11:02:43AM	2 second pause begins
4825694	12/11/01 11:02:45AM	End of 2 second pause
4825695	12/11/01 11:02:45AM	Setting maxnonsilence = 50ms
4825696	12/11/01 11:02:45AM	Disabling tone 2
4825697	12/11/01 11:02:45AM	Flushing buffer
4825698	12/11/01 11:02:45AM	Recording ConnType77793_12.wav
4825703	12/11/01 11:02:50AM	Phone Line is Busy (Timeout occurred)
4825704	12/11/01 11:02:50AM	Disable tones

Outgoing Call on Line 13

<u>Log #</u>	<u>Date/Time</u>	<u>Message</u>
4825615	12/11/01 11:02:12AM	Received Satellite request to call 18006780874 from TimeSlot 1
4825616	12/11/01 11:02:12AM	Unrouted line

Satcom Direct Activity Report

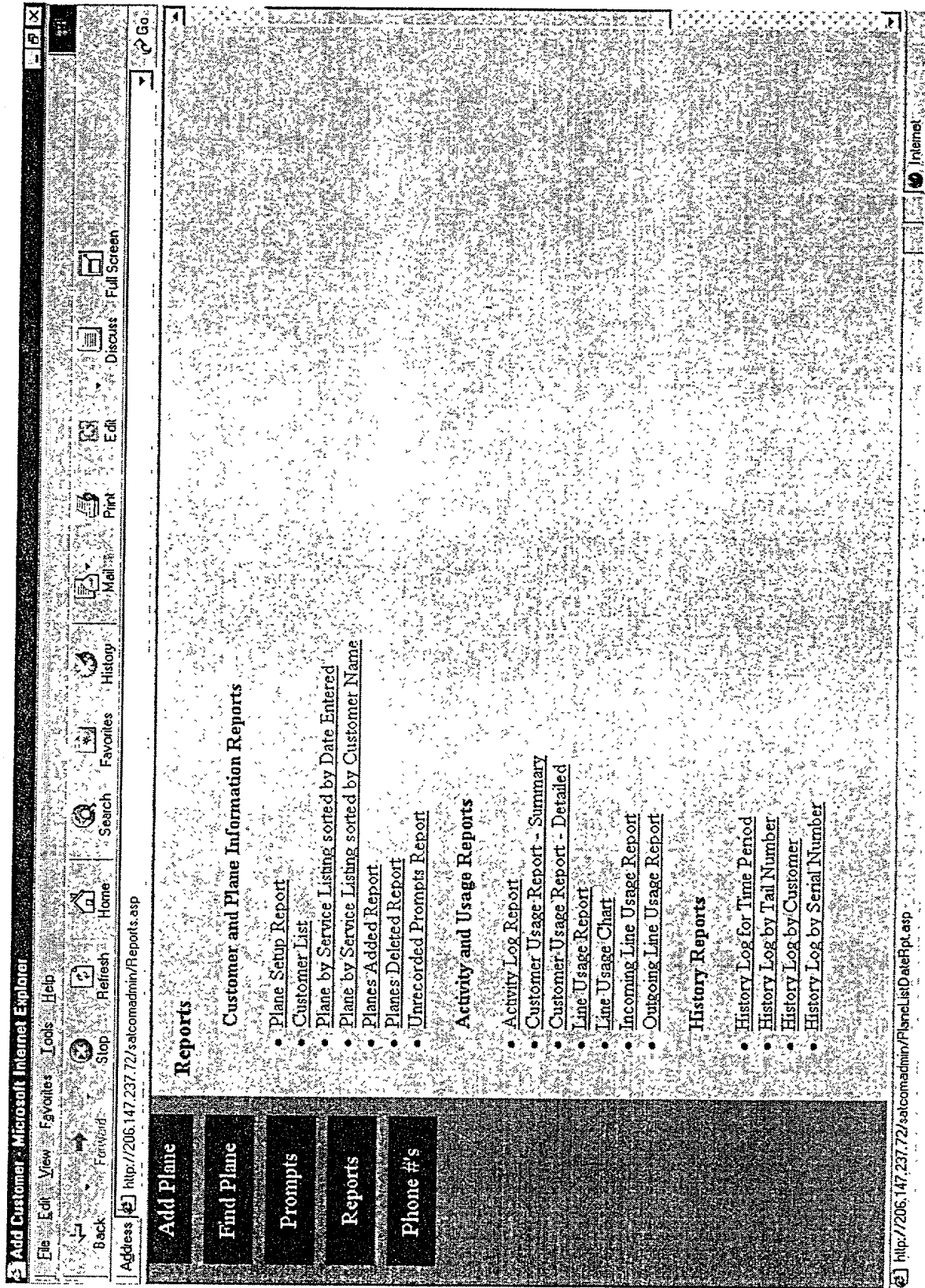
FIG. 513

4825618	12/11/01	11:02:12AM	Picked up line
4825624	12/11/01	11:02:13AM	Dialing
4825627	12/11/01	11:02:17AM	Wait for noise
4825628	12/11/01	11:02:17AM	Started recording Greeting77793_13.wav
4825651	12/11/01	11:02:24AM	Greeting detected
4825652	12/11/01	11:02:24AM	Send AESID 580092402#
4825655	12/11/01	11:02:27AM	Wait for #
4825656	12/11/01	11:02:27AM	Received digit '#'
4825657	12/11/01	11:02:27AM	Send PIN 837035#
4825661	12/11/01	11:02:29AM	Enable tones
4825662	12/11/01	11:02:29AM	Wait for Ring
4825663	12/11/01	11:02:30AM	Recorded Connection77793_13.wav
4825666	12/11/01	11:02:32AM	Detected tone 'R'
4825667	12/11/01	11:02:32AM	Ring or busy detected
4825668	12/11/01	11:02:32AM	Setting maxnonsilence = 50ms
4825669	12/11/01	11:02:32AM	Disabling tone 2
4825670	12/11/01	11:02:32AM	Flushing buffer
4825671	12/11/01	11:02:32AM	Recording ConnType77793_13.wav
4825679	12/11/01	11:02:37AM	Phone Line is Busy (Timeout occurred)
4825680	12/11/01	11:02:37AM	Disable tones

Outgoing Call on Line 14

<u>Log #</u>	<u>Date/Time</u>	<u>Message</u>
4825617	12/11/01 11:02:12AM	Received Satellite request to call 12032620872 from TimeSlot 1
4825620	12/11/01 11:02:12AM	Unrouted line
4825622	12/11/01 11:02:12AM	Pausing 20 seconds before dialing
4825672	12/11/01 11:02:32AM	Picked up line
4825673	12/11/01 11:02:33AM	Dialing
4825675	12/11/01 11:02:37AM	Wait for noise
4825676	12/11/01 11:02:37AM	Started recording Greeting77793_14.wav
4825687	12/11/01 11:02:41AM	Greeting detected
4825688	12/11/01 11:02:41AM	Pausing 5 seconds before entering digits
4825699	12/11/01 11:02:46AM	Send AESID 580092402#
4825702	12/11/01 11:02:49AM	Wait for #
4825707	12/11/01 11:02:52AM	Received digit "
4825708	12/11/01 11:02:52AM	Send PIN 837035#
4825709	12/11/01 11:02:54AM	Enable tones
4825710	12/11/01 11:02:54AM	Wait for Ring
4825711	12/11/01 11:02:54AM	Recorded Connection77793_14.wav
4825715	12/11/01 11:02:57AM	Detected tone 'R'
4825716	12/11/01 11:02:57AM	Ring or busy detected
4825717	12/11/01 11:02:57AM	Setting maxnonsilence = 50ms
4825718	12/11/01 11:02:57AM	Disabling tone 2
4825719	12/11/01 11:02:57AM	Flushing buffer
4825720	12/11/01 11:02:57AM	Recording ConnType77793_14.wav
4825730	12/11/01 11:03:02AM	Phone Line is Busy (Timeout occurred)
4825731	12/11/01 11:03:02AM	Disable tones

FIG. 1



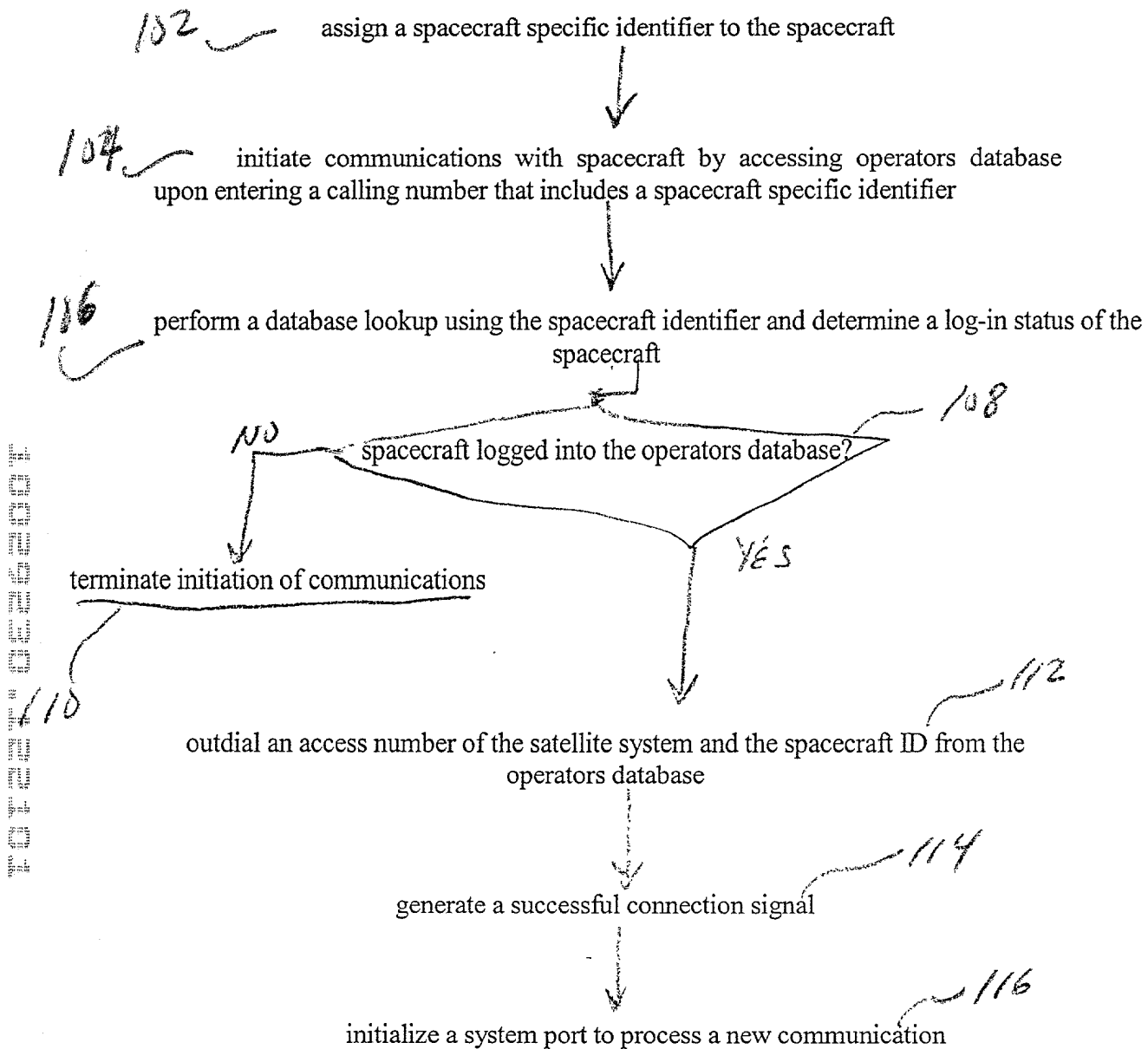


FIG. 9